

IN THE SPECIFICATION

Replace two paragraphs beginning at page 6, line 16, through page 7, line 7, with the following text:

Turning now to Figure 1, therein is illustrated in a side view a wound metal transformer core 10 which includes a first embodiment of a support assembly 20 according to the invention.

As is seen from the side view depicted on the drawing, the core 10 includes a top portion 12, a bottom portion 14 and two legs 16, 18 extending therebetween which are generally parallel to each other. The core also includes a joint 19 which is depicted by dotted line; this joint is the location at which the core 10 can be unlaced, and opened in order to permit the installation of appropriately dimensioned transformer coils upon each of the legs 16, 18. It is also to be understood that while only a single joint 19 has been depicted, that a plurality of joints may also likewise be present in the transformer core 10. With regard now to the support assembly 20, as can be seen, the support assembly includes a top portion 22 as well as ~~a~~ two dependent leg portions 24 and 26. As can be seen from an inspection of Fig. 1, the two dependent leg portions 24, 26 depend downwardly from one side of the top portion 22 of the support assembly 20. As further can be understood from a review of Fig. 1, the dimensions of the various portions of the support assembly 20 may be established in view of the dimensions of the ~~coil-core~~ core 10. For example, the width of the top portion 22 (as represented by "w") is desirably greater than or equal to the width (represented by "a") of the top portion 12 of the coil 10. With respect to the leg sections 24, 26 of the support assembly 20, their widths (represented by "x") are preferably less than or equal to the width (as represented by "b") of the leg 16, 18 of the transformer core 10. As can be further seen from Fig. 1, the overall length (as represented by "L") of the

legs of the dependent leg sections 24, 26 is preferably less than the overall total height of the coil 10 (represented by "H").

Replace the paragraph beginning at page 6, line 16, through page 7, line 7, with the following text:

According to one preferred embodiment, as can be seen at Fig. 1, the support assembly 20 and in particular the top section 22 has a margin 30 is positioned slightly upwardly from the inner surface 32 of the top section 12 of the coil 10. This ensures that the margin 30 does not coincide with the dimensions of the core 10, so that when it is ultimately assembled with a pair of transformer coils the inner surface 32 rests on corresponding surfaces of the transformer coils (not shown in Fig. 1). In an alternate preferred embodiment which however differs slightly from the embodiment shown in Fig. 1, the top section 22 of the support assembly 20 has a margin 30 which is positioned slightly downwardly from the inner surface 32 of the top section ~~122-22~~ of the ~~coil-core~~ 10. This creates a recess between the margin 30 and the inner face of the top section 12 of the core 10 which is particularly advantageous when the core 10 is ultimately placed in an upright position and the margin 30 rests upon the top surfaces 40 of one or more transformer coils 36, 38. When in such a configuration, it can then be seen that the load and stresses are borne greatly by the support assembly 20, and stresses in the wound transformer core 10 are reduced as compared with many prior art transformer coil and core configurations which do not include a support assembly as taught herein.

Replace four paragraphs beginning at page 8, line 15, through page 9, line 10, with the following text:

While not illustrated in Fig. 1, it is contemplated that a similar support assembly 20 is also placed at the opposite face of the transformer core 10 (which, however, would not be visible from the perspective of Fig. 1). Typically, the use of two supports 20 having interposed therebetween the transformer core 10 is greatly to be preferred over the use of a single support assembly 20 which is affixed to only one side of a transformer ~~coil~~ core 10. The use of two (or more) supports 20 acts to further distribute any stresses more evenly than would be achieved otherwise.

With respect now to Figure 2, therein is illustrated a side view of the wound metal transformer core 10 and support assembly 20 according to Fig. 1, and further depicts two transformer coils 36, 38.

As can be further seen from Fig. 2, in the assembled transformer depicted on that figure, the transformer coils 36, 38 include passages which are suitably dimensioned to permit for their insertion upon the respective legs ~~24, 26~~ 16, 18 of the transformer core 10. Likewise, attention is directed to interface between the top surfaces 40 of the respective coils 36, 38 and the top section 22 of the support assembly 20. As can be seen, the margin 30 of the top section 22 of the support assembly 20 is seen to rest upon the top surface 40 of the coils ~~24, 26~~ 36, 38.

Turning to Figure 3, ~~there is depicted depicts~~ a perspective view of the wound metal transformer core and core support assembly according to Figures 1 and 2.

As can be seen from the perspective view, the complete width of the margin 30 is seen to rest upon the generally flat, and coplanar faces 40 of the coils 36, 38. This is particularly beneficial in reducing the stresses imparted within the wound transformer core.

As can also be understood from a view of Fig. 3, it will be appreciated that when the transformer is ultimately assembled and positioned in an upright position, such as shown in Fig. 3, the leg sections ~~16, 18~~24, 26 of each of the supports which are affixed to the respective legs ~~24, 26~~16, 18 of the core 10 distributes the vertical load and facilitates in the dissipation of stresses within the core 10 by suspension.

Replace the paragraph beginning at page 10, line 16 through line 27, with the following text:

Figure 5 depicts a perspective, exploded view of the second embodiment of the support assembly 50 and two wound metal transformer cores 60, 62 according to Figure 4. As can be seen more clearly in this exploded view, two support assemblies 50 are actually present and are positioned on opposite sides of the transformer cores 60, 62. It is to be understood that prior to assembly, an appropriate adhesive such as an epoxy resin is disposed on the facing surfaces of the transformer cores 60, 62 and the supports 50. Thereafter, the supports 50 and transformer cores 60, 62 are layered in register and aligned, most desirably in accordance with the representation depicted on Fig. 4. Again, it is highly desirable, although not always absolutely necessary that a recess ~~90-89~~ exists between the inner face 63, 64 and the margin 58 of the top section 52 of the support assembly 50. Again, the presence of such a margin is believed to facilitate in the distribution of the vertical load between the support assembly 50 and the top faces of appropriately dimensioned transformer cores. Additionally, the extended ends 56, 57 also aid in facilitating the distribution of the vertical load when the cores 60, 62 and the support assembly 50 are ultimately assembled in a transformer.